MID-YEAR STUDY GUIDE

4TH GRADE

****Let's see how much we've learned!!!****

Keep the brain sharpened over the break! Use the attached pages and materials to practice Reading, Math, and Science.

What to do:

Work on a page or two a day. Do not try to complete everything in just a few days. Spread it out to a few pages a day. Bring it back on Monday, January 6, 2020 so we can review and answer any questions you may have.

See you next year! Happy 2020!

***¡Veamos cuanto hemos aprendido! ***

¡Mantengan el cerebro activo durante las vacaciones! Usen las páginas y materiales adjuntos para practicar Lectura, Matemáticas y Ciencias.

¿Qué hacer?

Completen una o dos páginas por día. No intenten hacer todo en solo unos días. Entreguen la tarea el lunes, 6 de enero de 2020 para que podamos revisarlo y responder cualquier pregunta que puedan tener.

¡Nos vemos el próximo año!

¡Feliz 2020!

NAME: _____

TEACHER: _____

Test Name: 4th Grade Practice
Test ID: 1354248
Date: 11/15/2019

1. There are 27 students in Abigail's history class. Abigail wants to give 12 stickers to each student in her class.
What is the total number of stickers Abigail will need?

A. 540

B. 394

C. 324

D. 319

2. Jerry gave 12 pieces of candy to each of his 10 friends.
Which number sentence could be used to determine how many pieces of candy Jerry gave away?

A. $12 \times 10 =$

B. $12 \div 10 =$

C. $12 + 10 =$

D. $12 - 10 =$

3. There are 20 students in Mr. Clark's fourth-grade class. There are 5 times as many students in the entire fourth grade as there are in Mr. Clark's class.

Which equation can be used to determine the number of students, n, in the entire fourth grade?

A. $5 \times n = 20$

B. $5 + 20 = n$

C. $20 \times 5 = n$

D. $20 \div n = 5$

4. Robert wants to buy a Nintendo Switch for his birthday. He has saved $45 so far. The price of the Nintendo Switch is 12 times what he saved. How much more does Robert need to save in order to buy the Nintendo Switch?

_____

5. Dawn needs to fix windows in her house. She must buy 3 feet of wood, which costs $7 per foot. She also needs to buy 4 pieces of glass. Each piece of glass costs $23.

What will be the total cost for fixing the windows?

A. $30

B. $90

C. $113

D. $176

6. A team of volunteers collected a total of $5,144 selling T-shirts at a charity concert. Each T-shirt was sold for $8.
What was the total number of T-shirts the volunteers sold?

A. 632

B. 643

C. 655

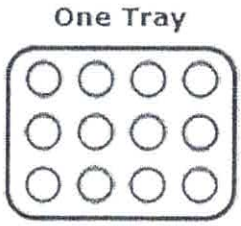
D. 668

7.
Andrés is a baker. He baked 3,240 cookies in one week. He placed the cookies in boxes containing 9 cookies each.

What was the total number of boxes Andrés used? ***Show your work.***

Test Name: Grade 4 MAFS.4.OA.1.3
Test ID: 1355873
Date: 11/15/2019

1. William is making cupcakes for his birthday for the kids in his class. He uses cubcake trays that hold 12 cupcakes each. William makes 2 trays of vanilla cupcakes and 2 trays of chocolate cupcakes. Including William, there are 9 friends at his birthday party. If everyone eats one cupcake, how many cupcake will be left over?



A. 2

B. 3

C. 4

D. 5

2. Julio wants to buy a PlayStation for his birthday. He has $45 saved. The price of the PlayStation is 10 times what he saved. How much more does Julio need to save in order to buy the PlayStation?

_____

3. Julio wants to buy a PlayStation for his birthday. He has $45 saved. The price of the PlayStation is 10 times what he saved. How much more does Julio need to save in order to buy the PlayStation?

A. $55

B. $355

C. $450

D. $495

4. A store has 2 separate displays of color markers. There are 16 sets of color markers in each display. If there are 4 markers in each set, how many markers in all are on display?

A. 32

B. 64

C. 128

D. 148

5. Alex bought 4 packages of baseball cards with 15 baseball cards in each package. He also bought 3 packages of stickers with 28 stickers in each package. If Alex receives 9 more stickers from his friend, how many baseball cards and stickers does Alex have now?

A. 144

B. 339

C. 153

D. 279

6. Max had six bags of marbles with 34 marbles in each bag. His brother brought him five more bags with 26 marbles in each bag. How many marbles does Max have in all?

A. 204

B. 360

C. 234

D. 334

MAFS Bell Ringers by Topic
Grade 4 Chapter 3
Multiply 2- Digit Numbers

Day 1

Fluency:

37	45	75	45	64
x 2	x 3	x 4	x 7	x 5

MAFS.4.NBT.2.5

Soraya arranged 13 chairs in each of 32 rows for the school pep rally. What is the total number of chairs the student arranged?

A. 300
B. 320
C. 384
D. 416

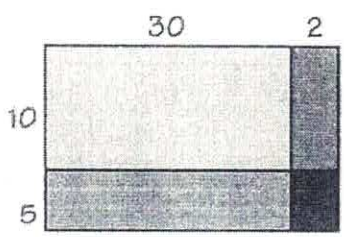
Day 2

Fluency:

39	46	76	46	65
x 3	x 4	x 5	x 8	x 6

MAFS.4.NBT.2.5

Tamiya's flower garden has 15 rows of 32 red rose flowers each.



Complete the area model to find out how many red roses are in Tamiya's flower garden.

Day 3

Fluency:

28	35	64	37	56
x 4	x 3	x 6	x 7	x 8

MAFS.4.NBT.2.5

On Saturday, 17 trucks left the station. Each truck carried a full load of 53 passengers. Which is the best way to estimate the total number of passengers who left the bus station that day? Select all that apply.

☐ 50 X 20
☐ 10 X 60
☐ 20 X 50
☐ 20 X 60

MAFS Bell Ringers by Topic
Grade 4 Chapter 3
Multiply 2- Digit Numbers

Day 4

Fluency:

68	25	74	47	66
x 5	x 4	x 7	x 8	x 9

MAFS.4.NBT.2.5

Raymond packed 24 bags of dog treats for the animal shelter. He put 16 dog treats in each bag. What is the total number of dog treats Raymond packed?

A. 148
B. 240
C. 364
D. 384

Day 5

Fluency:

79	49	81	52	73
x 4	x 7	x 5	x 6	x 8

MAFS.4.OA.1.3

A concert hall has two sections; the main floor and the VIP balcony. The main floor of the hall has 24 rows with 28 seats in each row. The VIP balcony has 9 rows with 22 seats in each row. How many more seats are on the main floor than on the VIP balcony?

MAFS Bell Ringers by Topic
Grade 4 Chapter 3
Multiply 2- Digit Numbers
Answer Key

Day 1
Fluency:

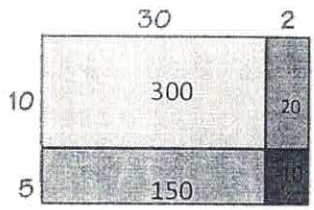
37	45	75	45	64
x 2	x 3	x 4	x 7	x 5
74	135	300	315	320

MAFS.4.NBT.2.5
D; 416

Day 2
Fluency:

39	46	76	46	65
x 3	x 4	x 5	x 8	x 6
117	184	380	368	390

MAFS.4.NBT.2.5
480 red roses



Day 3
Fluency:

28	35	64	37	56
x 4	x 3	x 6	x 7	x 8
112	105	384	259	448

MAFS.4.NBT.2.5
50 X 20 = 1,000
20 X 50 = 1,000

Day 4
Fluency:

68	25	74	47	66
x 5	x 4	x 7	x 8	x 9
340	100	518	376	594

MAFS.4.NBT.2.5
D; 384

Day 5
Fluency:

79	49	81	52	73
x 4	x 7	x 5	x 6	x 8
316	343	405	312	584

MAFS.4.OA.1.3
474 more seats

MAFS Bell Ringers by Topic
Grade 4 Topic IV
Chapter 3 Spiral Review

Day 1

Fluency:

24	35	46	57	68
x 11	x 21	x 32	x 22	x 17

MAFS.4.NBT.1.1

The cashier counts $2,500 in $100 bills. She exchanges all of the $100 bills for $10 bills. How many $10 bills does she receive?

Day 2

Fluency:

34	45	56	67	78
x 12	x 22	x 33	x 23	x 18

MAFS.4.NBT.2.5

Lindsey jumps rope at a rate of 86 jumps per minute. At this rate, what is the total number of times Lindsey will jump in 15 minutes?

Day 3

Fluency:

45	56	67	78	89
x 13	x 23	x 34	x 24	x 19

MAFS.4.OA.1.3

Connie lives in a large apartment building in Hollywood, Florida. It has 4 floors. Each floor has 20 apartments, and each apartment has 6 rooms. What is the total number of rooms in the apartment building?

A. 48
B. 80
C. 104
D. 480

Day 4

Fluency:

44	32	71	82	53
x 14	x 24	x 35	x 25	x 20

MAFS.4.NBT.1.b

Choose which value for n makes the equation below true.

$$56 + 7 = n + 3$$

A. $n = 10$
B. $n = 53$
C. $n = 60$
D. $n = 63$

MAFS Bell Ringers by Topic
Grade 4 Topic IV
Chapter 3 Spiral Review

Day 5

Fluency:

35	43	82	93	64
x 15	x 25	x 36	x 27	x 28

MAFS.4.OA.1.2

Lora used the number sentence 9 X 4 = 36 to solve a problem. Which problem could Lora have solved?

A. Lora has 9 shirts. She gives 4 shirts to Alicia How many shirts does Lora have now?
B. Lora has 9 shirts. She places the same number of shirts into each of 4 drawers. How many shirts are in each drawer?
C. Lora has 9 shirts. Brianna has 4 times as many shirts as Lora. How many shirts does Brianna have?
D. Lora has 9 shirts. She buys 4 more shirts. How many shirts does Lora have now?

MAFS Bell Ringers by Topic
Grade 4 Topic IV
Chapter 3 Spiral Review

Answer Key

Day 1
Fluency:

24	35	46	57	68
x 11	x 21	x 32	x 22	x 17
264	735	1472	1254	1156

MAFS.4.NBT.1.1
250 $10 bills

Day 2
Fluency:

34	45	56	67	78
x 12	x 22	x 33	x 23	x 18
408	990	1848	1541	1404

MAFS.4.NBT.2.5
1,290

Day 3
Fluency:

45	56	67	78	89
x 13	x 23	x 34	x 24	x 19
585	1288	2278	1872	1691

MAFS.4.OA.1.3
D; 480

Day 4
Fluency:

44	32	71	82	53
x 14	x 24	x 35	x 25	x 20
616	768	2485	2050	1060

MAFS.4.NBT.1.b
C; $n = 60$

Day 5
Fluency:

35	43	82	93	64
x 15	x 25	x 36	x 27	x 28
525	1075	2952	2511	1792

MAFS.4.OA.1.2 C

Invasive Animals

Source #1

From Pet to Threat

1 Back in 2005, a wacky photo made headlines. It looked like a joke, but it was the real deal; a 13-foot Burmese python had burst open after trying to swallow a 6-foot alligator in Everglades National Park in Florida.

2 Thirty years ago, people never would have seen such a clash of predators (animals that capture and eat other animals). Burmese pythons are native to Asia. But over the last few decades, many pet snakes have escaped or been set free in Florida by owners who were tired of caring for them.

3 Todd Hardwick rounds up troublesome animals-both native and exotic. He runs Pesky Critters Wildlife Control, a business in southern Florida. At least once a week, Hardwick gets a call to catch a strange animal. Many of those animals started out as somebody's pets.

4 "When they're no longer the 'in thing', people let them go, or they escape," Hardwick says. "For me, it seems like Miami is a large open-air zoo, Animals that you would not usually see are right here in the oddest places."

5 Hardwick has wrangled iguanas, lizards, hedgehogs, potbellied pigs, and plenty of pythons. Many imported animals (animals brought into this country from other countries) thrive in Florida's tropical weather.

6 But the introduction of exotic animals into the wild isn't happening only in the South. A species of wild parrot native to Argentina now lives in New York City. Foreign fish have been dumped from aquariums into rivers and lakes across the United States.

7 Exotic creatures, such as pet tigers, can be dangerous to people. Tigers are cute when they are small because they remind us of domesticated cats. However, those tiny cats grow into fierce and ferocious felines of great strength with powerful fangs and claws. Many foreign animals damage the environment. Pythons, for example, dine on the local wildlife.

8 Keeping exotic pets isn't bad for just native animals; it's bad for the exotic animals too. Many of these pets are brought illegally from their home countries, to where they may be threatened in the wild.

9 Pet owners may not realize it, but wild pets are often illegal. About two dozen states ban some kinds of foreign pets. Python imports were banned in 2012. "Obviously," says Hardwick, "they don't belong here."

Source #2

SICK PETS, SICK PEOPLE

1 In 2003, a creepy-sounding disease popped up in six Midwestern states: monkey pox. The disease usually infects monkeys. But it can also spread to people, causing fever, headache, muscle pain, and blisters on the skin.

2 Monkey pox is normally found in Africa, halfway around the globe. How did it get to the United States? Pets.

3 Diseases that jump from animals to humans are called **zoonoses** (zo-AHN-uh-seez). About 70 people in the Midwest became infected with monkey pox after handling pet prairie dogs. Before those people bought their pets, the prairie dogs had been stored with a rat from Africa. The prairie dogs probably caught monkey pox from the rat.

4 The people who caught monkey pox recovered after being treated by doctors. But other zoonoses can be more serious. In some parts of the world, people who have had contact with birds have contracted bird flu, a deadly virus. So far, the disease hasn't shown up in the United States. But government officials are still preparing to protect us from zoonoses.

Glossary:
zoonoses: a disease that jumps from animals to humans

Source #3

ALIEN INVASION!

by Reed Morely

1 When you think about aliens, you probably don't think about critters like insects. However, that is exactly what the red fire ant is...an alien! This nasty bite creature is originally from South America. In 1929, these determined little bugs hitched a ride on a cargo ship headed to Mobile, Alabama. Ever since their arrival, we've been feeling their bite in our backyards.

2 You might wonder how a small pack of troublesome wild animals could become so prominent across the southern states. It's simple! They have no natural predators in the United States. That's why humans have been developing chemical sprays and poisonous treats for these vicious ants.

3 This invasive species has cost Americans millions of dollars trying to rid their land of their mounds. One study estimates that over twenty million people are stung by fire ants every year. In fact, the fact that their bite has a fiery burn is how they got their name...fire ant.

4 Since they are so numerous and so aggressive, they are yard bullies. They can often push out other animals from their homes and make it difficult for other animals to [get food]. Additionally, they eat crops, munch on electrical wires, and scavenger around local parks. Unfortunately, they are known for packing up and moving to new locations when their ground is threatened by humans. This makes them difficult to *eradicate.

5 The nutria is another invasive species that creates problems for Florida. The nutria is a rodent that looks much like a beaver or a large rat. In the early 1800's, the nutria was brought from Central America for the purpose of raising them for fur. After the need for fur dropped, farmers sent these critters packing. They just simply let them go and many of them headed into the wild. Nutrias began to take over the vegetation rich areas of swampy lands. They ate and ate and ate until they nearly wiped out entire ecosystems of grassy plants in these swamps. Before long, animals that relied on these plants for protection and food began to die out.

6 Another invasive species that is causing problems is the lionfish. This marine animal is native to the Indian Ocean and Pacific Ocean. However, in recent months it has been making its *habitat in waters of the Gulf of Mexico, Caribbean, and Pacific Ocean.

7 While this fish has no natural predators in these waters, it also has some venomous spines that discourage new predators. This aggressive fish is eating smaller fish and crabs. Since this means the loss of young Snapper, Grouper, and crabs, this is having an effect on the fishing industry in Florida. Snapper, Grouper, and many shell fish are popular attractions at local seafood restaurants. This has made more than a few people angry.

8 Because this new visitor doesn't seem to be going anywhere soon, many marine organizations are gathering to form teams to spear as many lionfish as they can locate. No doubt, they will have to be careful not to get stung by this new king of the ocean.

ReadWorks.org/Weekly Reader Corporation Inc.

Directions:

The sources that you read were about invasive species. Write an informative essay about how invasive species are causing problems. Use information from the sources in your essay.

Manage your time carefully so that you can:

- Read the passages;
- Plan your responses;
- Write your response; and
- Revise and edit your response.

Be sure to include:

- an introduction
- support for your controlling idea using information from the passages; and
- a conclusion that is related to your controlling idea.

Your writing should be in the form of a well-organized, multi paragraph essay.

Planning Sheet